

**MARKED-UP VERSION**

**ABSTRACT OF THE DISCLOSURE:**

A DC current is supplied to the write coil of a GMR head 1 equipped with a completed HGA (Head Gimbal Assembly). The element part of the GMR head 1 is thereby thermally deformed. Thus deformed, the element part protrudes, abutting on a rotating laser-bump disk 2 ~~that~~, above which the HGA is floating. When the element part abuts on the disk 2, a magnetic field (2470 gauss) that extends in a direction opposite to the magnetization direction of the fixed layer of the GMR head 1 is applied to the top of a core slider 5.